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(71) Applicant (for all designated States except US): UNI-  
VERSITEIT GENT [BE/BE]; Sint-Pietersnieuwstraat  
25, B-9000 Gent (BE).

(72) Inventors; and

(75) Inventors/Applicants (for US only): VERBRUGGEN,  
August [BE/BE]; Zanddstraat 12, B-9810 Nazareth (BE).  
ELEWAUT, Dirk [BE/BE]; Victor Laureinstraat 21,  
B-9052 Gent (BE). WAN, Jun [CN/BE]; Brouwersstraat  
105, B-3000 Leuven (BE).

(74) Agents: BIRD, William, E. et al.; Bird Goen & Co., Klein  
Dalenstraat 42A, B-3020 Winksele (BE).

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(54) Title: NOVEL ANTISENSE OLIGOMERS AND USE THEREOF

(57) Abstract: The invention relates to the use of a novel type of antisense oligomers for use in the *in vitro* or *in vivo* inhibition of gene expression of a target gene. These oligomers, called exon-bridging oligomers are complementary to those parts of a spliced mRNA which are derived from two adjacent exons in the primary RNA transcript, and are called exon-bridging antisense oligomers. These oligomers have no complementarity to genomic DNA. These oligomers can be used to performs antisense inhibition with less aspecific binding to genomic DNA. The exon-bridging oligomers are suitable for inhibiting Interleukin1 type I Receptor in, for instance, chondrocytes, and are suitable for the prevention or treatment of osteoarthritis.

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